

Newcastle Reservoir Mercury Remediation



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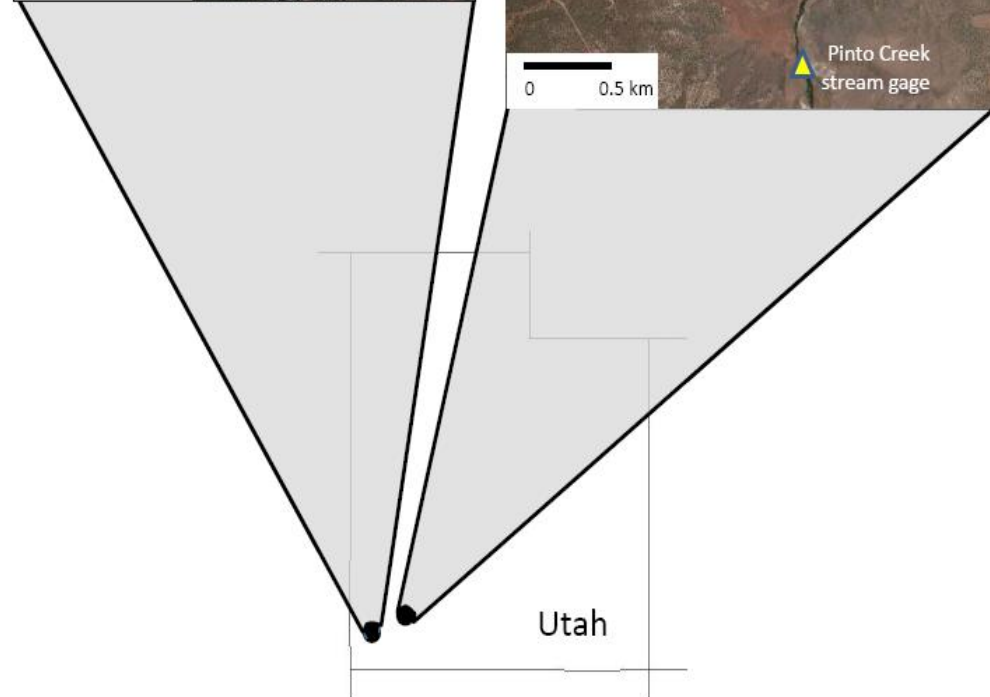
Newcastle Reservoir Mercury Remediation

- USGS Project Status
- Continued Pump Operation
- Future Monitoring
- Pump Maintenance



USGS Project Status

- Recent Data Analysis – In progress
- Draft report – Fall 2013
- Transfer of pump ownership –



Continued Pump Operation

- DWR and DWQ discussing details of State ownership



Future Monitoring Desires

Fish Tissue Analysis

- Spring and fall paired sampling at Newcastle and Upper Enterprise
- 5 fish from each of 3 age classes
- Newcastle Reservoir – wipers and rainbow trout
- Upper Enterprise Reservoir – rainbow trout

Possible Future Monitoring

- Monthly lake profile and chemistry monitoring – June thru September
- Paired inflow monitoring
- Water elevation record from staff gage at dam
- Install thermistor string and pressure transducer
- Pump intake cleaning during site visit

Future Maintenance – Site Observer

- Bi-weekly or monthly site observation
 - Verify pump operation
 - Identify vandalism
 - Clean algae from pump intake (monthly)
 - Staff gage reading

Pump Maintenance

- DWQ maintenance contract
 - Approximately \$2,800 annually
 - Troubleshooting
 - Routine maintenance

Discussion

